SPRINT-RTK

Satellite Positioning Receivers with integrated Technologies

Key Features:

- Secure login with Authorized RTK base
- Support for both real-time and post-processing positioning modes
- Support for both signal base and network-RTK

Real-Time Kinematics (RTK)

RTK GNSS receivers offers precise positioning by continuously receiving error correction parameters from base station. In comparison to Standard GNSS receivers which typically offer 5 to 10 meter level accuracies for positioning and navigation, SPRINT RTK offers centimeter level positioning accuracies. Which make these receivers suitable for different civilian and strategic applications including:

- Precise GIS & Mapping
- Precise docking of marine vessels
- Precision coordinate determination
- Precision mining
- Precision Agriculture
- Deformation monitoring of critical infrastructure
- Land management
- Construction survey

Standard Features

- Ease of Selection between Single & Multi-Constellation based Products
- Centimeter level Position Accuracy
- Supported constellations includes GPS, BeiDou, Galileo& GLONASS
- Built-in Memory for data storage
- Support for GSM/ user's own communication medium
- Customization as per user requirement

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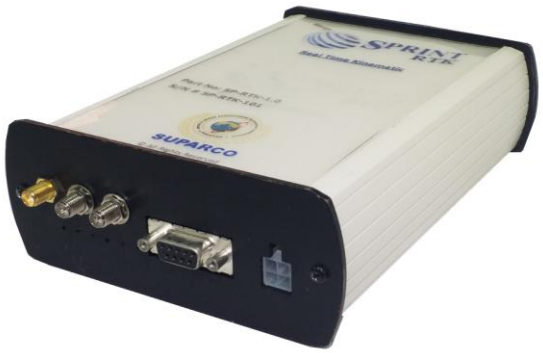
Real-Time Kinematics (RTK)

SPRINT-RTK features a high performance data processor and on-board storage making it an ideal choice for long duration field operation.It can be easily configured as either base or rover depending upon mission requirement.

SPRINT-RTK supports several communication modes including but not limited to GPRS/CDMA/UHF that can be conveniently selected as required. The rover station can switch the communication mode freely.



Technical Specifications

Performance

- Supported Constellations:
  GPS, BeiDou, Galileo, GLONASS
- Operational Mode: Real Time Kinematics
- Position Accuracy: 3 cm CEP
- Filtering: Extra onboard SAW band pass filter
- Acquisition Timing: 60 s (Cold Start)

Interface

- Connectivity:
  a. RS-232
  b. GSM
  c. UHF
- Data Protocol
  a. NMEA
  b. RTCM
  c. Proprietary

Physical

- Dimension: < 20cm x 15cm x 7 cm (L x W x H)
- Weight: < 1kg

Operational

- Voltage: 12 Volts DC
- Power: 5 Watts

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